Supplementary materials

Table S1. Primers used for PCR amplifying and sequencing mitochondrial COI and nuclear (rudimentary, CAD; long-wavelength rhodopsin, LW Rh; Topoisomerase I, TOPI; and wingless, Wg) genes fragments in this study

Gene	Primer	Sequence (5 to 3')	Annealing (°C)	Source
CAD	CD847F	ATGAATTACGGYAATCGCGGYCAYAAYCARCC	50-58	Schmidt, 2013
	CD1459R*	GCARTTDAGAGCGGTYTGYCCRCCRAAYGT		Schmidt, 2013
	CD1465R	GCAATTAAGAGCRGTYTGYCCRCC		Schmidt, 2013
LW Rh	LR48F	TGAATCCGCTMTGGCAYG	50-58	This study
	LR505R2	TCRTCRAATGCRATCATYGTCATYGWCCAAATGGAG		Schmidt, 2013
TOPI	TP1293EF	TKCAGGTGGGARGARGARAAGAA	50-52	Ward & Sumnicht, 2012
	TP2266ER3	GTYACCTAARAARTCRAABACRAC		Ward & Sumnicht, 2012
Wg	WG254F	CGAGAGACCGCKTTYRTCTAYGC	50-56	Fernandes et al., 2021
	WG645R	CGRTCCTTBAGRTTRTCGCC		Fernandes et al., 2021
COI	LCO1490	GGTCAACAAATCATAAAGATATTGG	45	Folmer et al., 1994
	HCO2198	TAAACTTCAGGGTGACCAAAAAATCA		Folmer et al., 1994

* Primers used for nested PCR when the primary strategy failed to generate amplicons.

Table S2. Morphometric measurements of *Anochetus shohki* worker from the Taiwan and Yaeyama populations. Values are mean ± SD, with range (minimum – maximum) provided in parentheses

Character* (mm)	Taiwan (n=6)	Yaeyama (n=7)
HL	1.04 ± 0.03 (1.00 – 1.10)	0.97 ± 0.05 (0.90 – 1.04)
HW	0.98 ± 0.03 (0.95 – 1.03)	0.93 ± 0.04 (0.88 – 0.98)
SL	0.79 ± 0.02 (0.76 – 0.82)	0.77 ± 0.05 (0.70 – 0.82)
EL	0.14 ± 0.01 (0.13 – 0.15)	0.14 ± 0.01 (0.12 – 0.16)
ML	0.55 ± 0.02 (0.52 – 0.58)	0.53 ± 0.03 (0.50 – 0.56)
WL	1.33 ± 0.06 (1.24 – 1.40)	1.26 ± 0.05 (1.20 – 1.32)
PnW	0.59 ± 0.02 (0.57– 0.62)	0.57 ± 0.02 (0.54 – 0.60)
PtL	0.28 ± 0.01 (0.26 – 0.28)	0.28 ± 0.01 (0.26 – 0.30)
PtW	0.34 ± 0.02 (0.31 – 0.36)	0.32 ± 0.02 (0.29 – 0.35)

*HL, Head length; HW, Head width; SL, Scape length; EL, Eye length; ML, Mandibular length; WL, Weber's length; PnW, Pronotal width; PtL, Petiolar length; PtW, Petiolar width.